Abstract

The invention relates to a data processing device, a method and a computer programme for computer-aided substation tendering. Conventional substation tenders rely on by-hand selection of components representing not-preengineered, not-reusable substation parts. Such tenders are inaccurate and time-consuming. In this disclosure a module (2) represents a reusable preengineered substation part and is indexed according to an intuitive multiple-index categorisation system (12), has a standardized name (14) for designating all its related files and for encoding its function in an intuitively understandable, and has a module-descriptor (3) providing standardised information (4-10) to application routines for cost calculation (1a), technical data accumulation (1d), graphics accumulation (1b) and tender text accumulation (1c). Two module types (2a, 2b) are provided: Core modules (2a) are structured in sub-modules (10) and articles (9) and allow cost calculation (1a) from bottom up; black-box modules (2b) are monolithic, as supplied from a third party, and have a cost attached to them. The modules (2a, 2b) and/or sub-modules (10) may be fixed or parametrisable. A module library (17) and browser (11) assist in storage and retrieval of the modules (2).

(Fig. 1)